

To: Cozad, David[Cozad.David@epa.gov]
From: Stoy, Alyse
Sent: Thur 12/17/2015 2:59:09 PM
Subject: FW: Summary of IB Costs by Option

Alyse Stoy

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From: Vann, Bradley
Sent: Thursday, December 17, 2015 8:53 AM
To: Field, Jeff <Field.Jeff@epa.gov>; Peterson, Mary <Peterson.Mary@epa.gov>; Juett, Lynn <Juett.Lynn@epa.gov>; Stoy, Alyse <Stoy.Alyse@epa.gov>; Mahler, Tom <mahler.tom@epa.gov>; Gieseke, Andrew <Gieseke.Andrew@epa.gov>; Barker, Justin <barker.justin@epa.gov>
Subject: Summary of IB Costs by Option

Team,

The B&V preliminary cost estimate is now on the shared drive:

H:\REGION SHARE\West Lake Schedule Tracker\Subsurface Oxidation Event\Subsurface Barrier design documents\IB Preliminary Cost Estimate

Broken down by option:

1) Cooling Loop

Construction cost: \$13,703,800

O&M at 30 yrs or total present worth = \$16,534,500

System was engineered on 10ft ROIs with capacity for expansion (20 points without upscaling) –
Cooling loop unit cost \$25,0000 for any additional points

2) Static Wall

Construction cost: \$54,826,400

O&M at 30 yrs or total present worth = \$59,461,800

3) Air Gap

Construction cost: \$165,652,000

O&M at 30 yrs or total present worth = \$166,062,500

4) Sentinel Temperature Monitoring – This would be in addition to TMPs calculated within the individual options or for various locations north of existing Bridgeton points in Neck and North Quarry: \$87,000 (assumes 25 points at \$3,500/TMP)

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From: Thiel, Matthew [<mailto:ThielM@bv.com>]

Sent: Wednesday, December 16, 2015 10:50 PM

To: Vann, Bradley <Vann.Bradley@epa.gov>

Cc: Felkner, Gary L. <FelknerG@bv.com>; Almaleh, Lawrence J. (Larry) <AlmalehLJ@bv.com>

Subject: West Lake Landfill ROM

Brad:

Enclosed are the documents related to this exercise. Thank you for the opportunity to continue work on this important project and please don't hesitate to reach out to us if we can be of further assistance.

Regards,

Gary, Larry, and Matt

MATT THIEL, P.E.*, PMP | Senior Structural Engineer

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